TROX® TECHNIK
The art of handling air

KSFS

FITTING OF FILTER ELEMENTS FOR THE SEPARATION OF SUSPENDED PARTICLES IN AREAS WITH CRITICAL REQUIREMENTS

Ducted particulate filters for Mini Pleat filter panels, Mini Pleat filter cells, and activated carbon filter cells. For installation into the ductwork of ventilation systems. Used in medicine, biology, pharmaceuticals, and sensitive technical areas.

- Ducted particulate filter made of sheet steel with decontaminable powder coating RAL 9010 and clamping mechanism made of stainless steel
- Robust, welded construction with doubled-edged perimeter flanges with pre-drilled holes ensures secure sealing
- One-stage or two-stage casing, for the fitting of fine dust filters as prefilter stage and of particulate filters as second filter stage
- Secure sealing and convenient handling due to tensioning lever for a consistent contact pressure and hence the sealing integrity between the casing and filter element
- With sealing integrity test facility for filter elements

Optional equipment and accessories

- Optional double-groove service board for contamination-free filter change ('safe change')
- Plastic service bag with cord ring for contamination-free filter change

Application

Application

- Ducted particulate filter type KSFS for critical requirements
- Casing for duct installation
- Fitting of filter elements for the separation of suspended particles such as aerosols, toxic dusts, viruses and bacteria from the supply or extract air
- Fitting of activated carbon filter cells for the separation of gaseous odorous substances and contaminants from the supply and extract air

Description

Variants

- M: Casing without prefilter
- PM: Casing with prefilter

Construction

- SPC: Steel, powder-coated RAL 9010, pure white
- STA: Stainless steel

Options

- MD: Casing with double-groove service board

Accessories

- Plastic service bag with cord ring

Useful additions

- Suitable filter elements to be ordered separately
- Mini Pleat filter panels (MFP)
- Mini Pleat filter cells (MFC)
- Activated carbon filter cells (ACF)
- Other filter elements upon request
- Spigot (KSFSSP)

Construction features

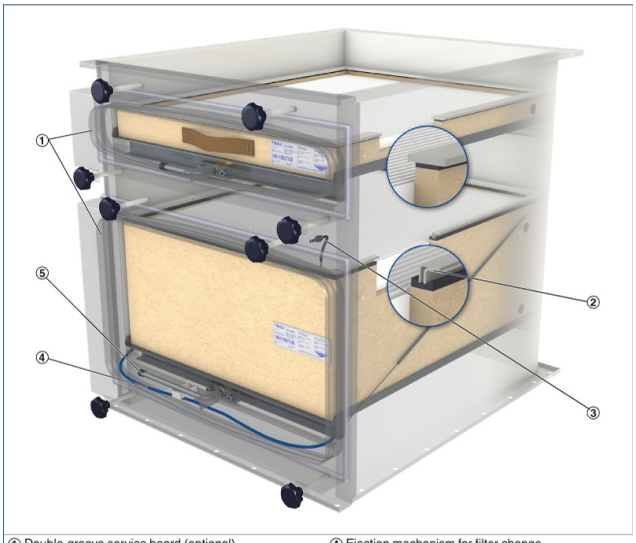
- Casing with robust, doubled-edged connecting flanges with pre-drilled holes.
- Automatically adjusting clamping mechanism which guarantees sealing integrity between the casing and the filter element; this clamping mechanism can only be closed when the filter element is properly seated
- Cover plate with profiled seal and four clamping screws with star grips
- Prefilter casing for fitting Mini Pleat filter panels as fine dust filters
- Double-groove service board and plastic service bag for contamination-free filter change
- Sealing integrity test facility for Mini Pleat filter panels as particulate filters
- Casing with indentations to ensure the precise fitting of the filter elements
- Leakage test for each individual casing

Materials and surfaces

- Casing made of sheet steel, powder-coated RAL 9010, pure white, or of stainless steel
- Stainless steel clamping mechanism

INFORMATION TECHNIQUE

Schematic illustration of KSFS



① Double-groove service board (optional)
② Sealing integrity test facility
③ Spigot for sealing integrity test facility
④ Ejection mechanism for filter change
⑤ Clamping mechanism for the filter element

Ducted particulate filters KSFS for critical requirements as filter casings for installation into the ductwork of ventilation systems.

Fitting of filter elements for the separation of suspended particles such as aerosols, toxic dusts, viruses and bacteria from the supply or extract air; also for the fitting of activated carbon filter cells for the adsorption of gaseous odorous substances and contaminants.

Filter casings are available as one-stage construction or two-stage construction for the fitting of fine dust filters as prefilter stage and of particulate filters as second filter stage. Ducted particulate filter KSFS with robust, doubled-edged connecting flanges with pre-drilled holes.

Clamping mechanism made of stainless steel with tensioning lever for uniform sealing integrity between the casing and filter element. Filter casing with sealing integrity test facility, available with optional double-groove service board and plastic service bag for contamination-free filter change.

The cover plate is fitted with a profiled seal and four clamping screws with star grips. Pressure measurement points are part of the supply package but must be set up on site by others.

Leakage test for each casing.

Materials and surfaces

- Casing made of sheet steel, powder-coated RAL 9010, pure white, or of stainless steel
- Stainless steel clamping mechanism

Construction

- SPC: Steel, powder-coated RAL 9010, pure white
- STA: Stainless steel

KSFS

KSFS – PM – SPC / 710 × 794 × 710 / MD

1 2 3 4 5

1 Type

KSFS Ducted particulate filter for critical requirements

2 Variant

M Casing without prefilter

PM Casing with prefilter

3 Material

SPC Steel, powder-coated RAL 9010, pure white

STA Stainless steel

4 Nominal size [mm]

B × H × T

5 Service board

No entry: none

MD Casing with service board